

WHAT IS CLAIMED IS:

1. A sealing material for sealing an envelop of electron tube comprising:
P₂O₅-SnO type low melting glass powder;
thermal expansion-controlling ceramics having low expansion coefficient; and
insulating oxide fine particles having a particle diameter of 0.001~0.1 μ m.
2. The sealing material for sealing an envelop of electron tube as in claim 1, wherein the insulating oxide fine particles are substantially uniformly distributed on the surface of the P₂O₅-SnO type low melting glass powder.
3. The sealing material for sealing an envelop of electron tube as in claim 1, wherein the insulating oxide fine particles are present in 0.01~2 wt % to the total weight of the P₂O₅-SnO type low melting glass powder and the thermal expansion-controlling ceramics.
4. The sealing material for sealing an envelop of electron tube as in claim 1, wherein the insulating oxide fine particles are selected from the group consisting of SiO₂, Al₂O₃ and ZrO₂ fine particles.
5. A method of preparing a sealing material for sealing an envelope of electron tube comprising the steps of:
distributing substantially uniformly insulating oxide fine particles having a particle diameter of 0.001~0.1 μ m in a vehicle,
putting P₂O₅-SnO type low melting glass powder and thermal expansion-controlling ceramics having low expansion coefficient into the vehicle, and
kneading uniformly a mixture of the insulating oxide fine particles, P₂O₅-SnO type low melting glass powder and thermal expansion-controlling ceramics having low expansion coefficient.

6. A vacuum fluorescent display comprising an envelop sealed with a sealing material and maintained in high vacuum, said envelop containing an anode on which a phosphor layer is deposited and a cathode as a source of an electron which emits light by bombarding an electron ejected from the cathode to the phosphor layer of the anode, wherein the sealing material comprises P_2O_5 -SnO type low melting glass powder, insulating oxide fine particles having a particle diameter of $0.001\sim 0.1\ \mu\text{m}$ and thermal expansion-controlling ceramics having low expansion coefficient.